

EXPLANATION OF PLATES.

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- Fig. 1. *Rafinesquina clara* n. sp. x 1-1/3.
 Fig. 2. *Rafinesquina grandis* n. sp. x 2/3.
 Fig. 3. *Rafinesquina transitionalis* n. sp. natural size, pedicle valve of an adult individual.
 Fig. 4. *Rafinesquina transitionalis* n. sp. x 1-1/3, pedicle valve of a young individual showing the geniculation to be considerably closer to the anterior margin than in an adult.
 Fig. 5. *Rafinesquina wagneri* n. sp. x 1-1/3.
 Fig. 6. *Rafinesquina williamsi* n. sp. natural size.
 a) pedicle valve.
 b) pedicle valve showing muscle scars.
 Fig. 7. *Strophomena corrugata* n. sp. natural size, showing prominent wrinkles on the pedicle valve.

Fig. 8. *Pionodema sinuata* n. sp. x 1-1/3.Fig. 9. *Leptana radialis* n. sp. x 1-2/3.

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- Figs. 1a, 1b, 1c *Tetradium clarki* n. sp.
 1a. appearance of a corallum with a polished longitudinal section. x 1/3.
 1b. transverse section showing "laminæ" and corallites. x 1/3.
 1c. showing portion of laminæ; some corallites show double wall. x 8.

Fig. 2. *Trochonemella montrealensis* sp. et gen. nov., side view shows the coarsely marked slit-band. x 1-1/3.Fig. 3. *Liospira peneplana* n. sp. x 1-1/3.Fig. 4. *Hormotoma wilsoni* n. sp. x 1-1/3.Fig. 5. *Illænus martinicensis* n. sp. x 2.Fig. 6. *Pterygomotopus harrisi* n. sp. x 2.

SOME FUNGI FROM ANTICOSTI ISLAND AND GASPE PENINSULA*

By J. ADAMS

THE FUNGI mentioned below were collected during a short visit to Anticosti in August, 1933, and to Anticosti and Gaspé Peninsula during the latter part of August and the beginning of September, 1934. No particular attention was given to the study of this group of plants as I was interested mainly in the ferns and seed-plants.

In Schmitt's *Monographie de l'île d'Anticosti*, 1904, only eleven species of fungi and several genera incompletely named are mentioned. The names given below are all additions to the flora of the island. Numerous saprophytic forms were seen in the woods but as these are difficult to preserve they can be identified satisfactorily only by a specialist on the spot.

My thanks are due to Mr. I. L. Connors who named most of the parasitic species, and to Miss I. Mounce who undertook the identification of the saprophytes.

MYXOMYCETES

Lycogala sp. On dead wood. Ellis Bay, Anticosti.

PHYCOMYCETES

Cystopus candidus Lév. On *Capsella Bursa-pastoris*. Port Menier, Anticosti; Cap des Rosiers, Gaspé Peninsula.

Cystopus cubicus Lév. On *Senecio aureus*. In wood along logging railway, Anticosti.

Peronospora parasitica (Pers.) de Bary. On *Capsella Bursa-pastoris*. Port Menier, Anticosti.

ASCOMYCETES

Claviceps purpurea (Fr.) Tul. On *Poa eminens* and *Secale cereale*. Port Menier, Anticosti.
Helvella sp. On cleared ground along the logging railway. Anticosti.

Mycosphærella Cerastii (Pers.) Schroet. On *Stellaria borealis*. Ellis Bay, Anticosti.

Plowrightia morbosa (Schw.) Sacc. On *Prunus* sp. Gaspé.

Rhytisma Andromedæ (Pers.) Fr. On *Andromeda Polifolia*. In swamp along the logging railway. Anticosti.

R. salicinum (Pers.) Fr. On *Salix candida*. Port Menier. Anticosti.

Sphærotheca Humuli (DC) Bur. var. *fuliginea* (Schl.) Salmon. On *Prenanthes altissima*. Ellis Bay, Anticosti.

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USTILAGINEAE

Cintractia Caricis (Pers.) Magn. On *Carex* sp.
Ellis Bay, Anticosti.

UREDINEAE

Accidium sp. On *Conioselinum canadense*
Swamp along logging railway. Anticosti.

Chrysomyxa ledicola (Pk.) Lagerh. On *Picca canadensis*. Ellis Bay, Anticosti.

Colcosporium Solidaginis Thuem. On *Aster* sp.
and *Solidago* sp. Gaspé.

Cronartium ribicola Fisch. On *Ribes* sp. Percé.
Melampsorella elatina Arth. On *Abies balsamea*
causing witches' brooms. Common in western end of Anticosti Island.

Phragmidium americanum (Peck) Diet. On
Rosa blanda. Ellis Bay, Anticosti.

Phragmidium Potentillae (Pers.) Karst. On
Potentilla pectinata. Percé.

Puccinia Arenariae (Schum.) Wirt. On *Arenaria lateriflora*. Ellis Bay, Anticosti.

P. atropuncta Pk. et Cke. On *Zygadenus chloranthus*. Baie Ste. Claire. Anticosti.

P. Bistortae (Str.) DC. On *Polygonum viviparum*.
Ellis Bay, Anticosti.

P. Clematidis (DC) Lagerh. On *Thalictrum alpinum*. Swamp along logging railway. Anticosti.

P. Heucherae (Schw.) Diet. On *Mitella nuda*.
Ellis Bay, Anticosti.

Puccinia Hieracii (Schum.) Mart. On *Hieracium* sp. Ellis Bay, Anticosti, and Gaspé.

P. Iridis (DC) Wallr. On *Iris versicolor*. Ellis Bay, Anticosti.

P. karelica Tranz. On *Carex paupercula*. Ellis Bay, Anticosti.

P. recedens Syd. On *Senecio aureus*. Ellis Bay, Anticosti.

P. suaveolens (Pers.) Rostr. On *Cirsium arvense*. Ellis Bay, Anticosti.

P. Viola (Schum.) DC. On *Viola* sp. Ellis Bay, Anticosti.

Pucciniastrum americanum (Farl.) Arth. On
Rubus strigosus. Ellis Bay, Anticosti.

BASIDIOMYCETES

Dacryomyces palmatus (Schw.) Bres. On dead bark. Ellis Bay, Anticosti.

Fomes pinicola (Sw.) Cooke On dead wood.
Along logging railway. Anticosti.

Lenzites sapinaria (Wulf.) Fr. On dead wood.
Ellis Bay, Anticosti

Panus stypticus Fr. On dead wood. Ellis Bay, Anticosti.

Polyporus abietinus (Dicks.) Fr. On dead wood.
Ellis Bay, Anticosti.

P. cinnabarinus (Jacob.) Fr. On dead wood.
Ellis Bay, Anticosti.

EPILOBIUM LATIFOLIUM L. nov. subsp *LEUCANTHUM* (vulgo "White Alpine Willowherb")

A Tito Ulke descriptum

Hæc subspecies similis est *Epilobio latifolio* L. sed planta tota robustior, petalis dimidio fere latioribus et albis non purpureis; foliis duplo fere latioribus; caule perenni, firmo, alto 15-35 cm., terete, glauco, rubente et piloso supra, ramoso et ad radicem lignoso; ramis axillaribus folia minora et opposita ferentibus; foliis ovato-lanceolatis, integris aut densiculatis, 3-6cm. longis, 1-2 cm. latis, basibus et apicibus acutis, pilis subtilibus indutis, in caule alternantibus, oppositis in ramis, coriaceis, glaucis, subsessilibus, venis lateralibus haud visibilibus plerumque liberis; floribus positus in terminalibus racemis brevibus, foliosis, plerumque confertis; petalis 4, integris, obovatis, long. 2 cm., lat. 1.5 cm., albis, purpura minuta venatis, lobis calicis angustis, lanceolatis aut oblongis, long. 13-15 mm.; staminibus 8, long. 11-12 mm., antheris purpureis, imis filamentis dilatatis; pistillo 1, long. 7 mm., purpureo, in-

clinato, stilo glabro; stigmatibus 4, divaricatis, oblongis, long. 3-4 mm.; capsula fusiformi linearis, canescenti, long. 2-5cm., lat. 3-4 mm., pluriseminata; seminibus long. 2 mm., fusiformibus, sine rostris, comosis albicantibus elongatis.

Plants usually in dense clumps, 3 or 4 m. in diameter, associated with *Epilobium latifolium* on gravelly flats forming islands near the head of Horsethief Creek at about 2300 m. elevation, just below the moraine of Starbird Glacier, Kootenay District, British Columbia. A dozen plants were obtained.

The type specimen, No. 1267, of *E. L. leucanthum* is in the herbarium of the Catholic University at Brookland, D.C., and cotypes are in the University of Toronto and Harvard University collections.